

COLPRO 02

NBC Collective Protection - A NATO Perspective

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UK MoD
DJW NBC



NBC COLPRO - A NATO Perspective

Scope

- Background
- COLPRO Concepts
- Defence Capabilities Initiative
- Working Group 2 Activities
- Prague Capabilities Commitment

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Hazard Environment

- Nuclear and Radiological
- Chemical
- Biological
- Toxic Industrial Hazards

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Requirement for COLPRO

- Task Performance Needs
- Personal Needs
- Performance Degradation
- Sustainability
- Management

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Use of NBC COLPRO

- Protected Working Environments
 - Headquarters/Operations Centres
 - Hospitals/Medical Facilities
 - Workshops/Repair facilities
 - Armoured fighting vehicles
 - Ships
 - Aircraft
- Rest and Relief

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Categories of NBC COLPRO

- Fixed
 - Integral to static facilities and hardened, semi-hardened or unhardened
- Mobile
 - Integral to land, sea or air platforms
- Transportable
 - Stand-alone systems capable of being deployed usually unhardened
- Hybrid

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Operational Specifications for NBC COLPRO

- Defence to Hazards
- Resilience
- Operational Effectiveness
- Logistics

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Design Features of COLPRO

Air Filtration Unit

Environmental Control

Toxic Free Area

Oxygen Regeneration

Air Re-circulation Filter

Airlock

Contamination Control Area

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Elements of Contamination Control Area

Control Area

Monitoring Point

Vapour Hazard Area

Particulate Hazard Area

Liquid Hazard Area

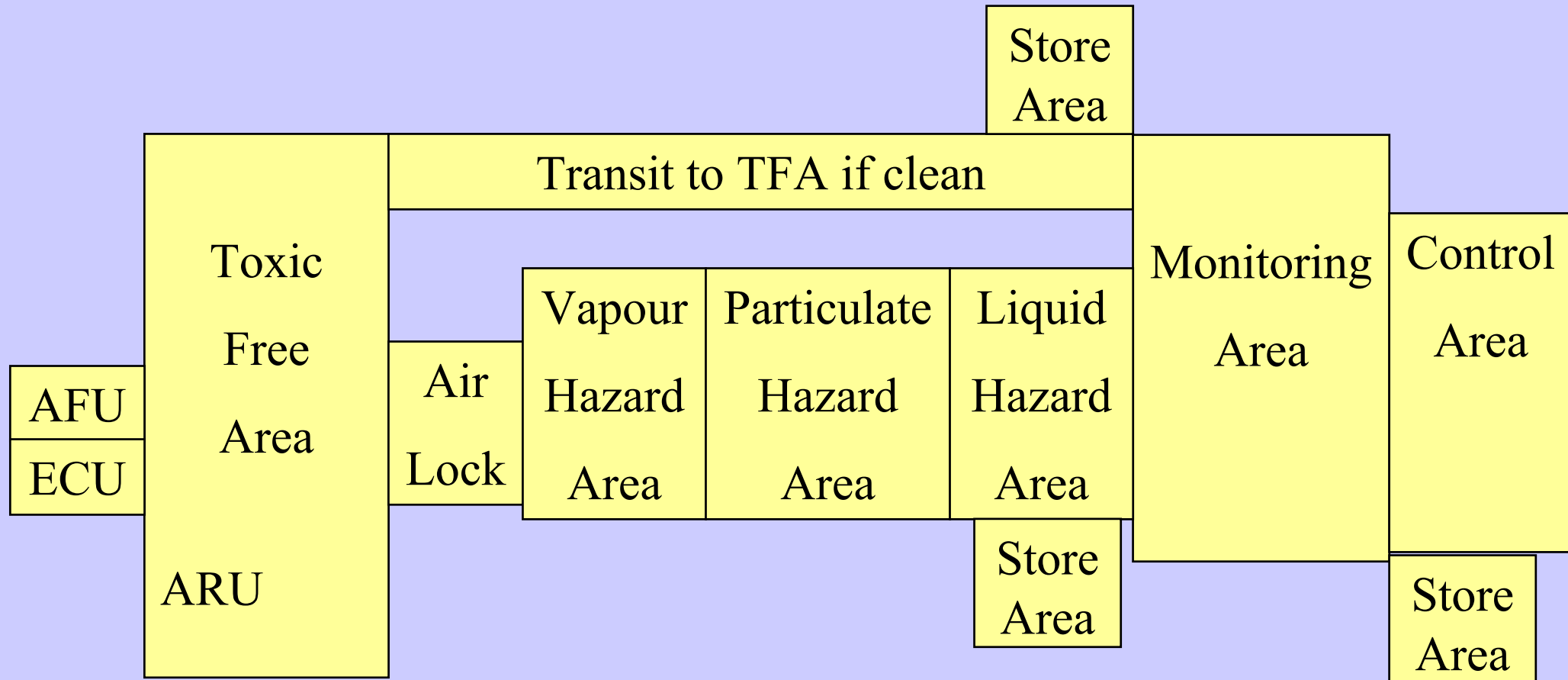
Changing Area

Storage Area

Waste Area

Power Supply

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DCI Requirement

NATO nations should pursue, on a co-operative basis, further work against chemical and biological agents to ensure appropriate headquarters, base facilities and medical facilities have collective protection against these

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DCI Exit Criteria

- Appropriate HQs and facilities requiring COLPRO have been identified
- Opportunities for co-operative development and/or procurement have been made available to nations
- The NATO standards for COLPRO have been updated and re-published

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NATO COLPRO Documentation

- Allied Engineering Publication -
NBC COLPRO Technical Specification
- Allied Tactical Publication -
COLPRO Concepts

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Working Group 2 Mission

The WG is to take forward LG/7 and NSA NBC WG efforts to support national procurement of NBC Collective Protection

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Working Group 2 Tasks

- Develop COLPRO AEP and COLPRO ATP
- Monitor revision of NATO documents to reflect AEP and ATP
- Monitor national COLPRO R&D programmes and identify opportunities for co-operation to nations.
- Review LTSS COLPRO recommendations and seek out opportunities for follow-up.
- Liase with industry on NATO's COLPRO aspirations.

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Participating Nations

Belgium

Canada

Czech Republic

Denmark

Germany

France

Netherlands

Norway

Poland

Turkey

United Kingdom

United States

SHAPE



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Prague Capabilities Commitments



Questions?

